

Notice of Allowability

Application No.

10/676,072

Examiner

Paul A. Budd

Applicant(s)

MATSUEDA ET AL.

Art Unit

2815

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 17 September 2007.
2. ☒ The allowed claim(s) is/are 1-8, 13-15, 18, 20 and 24-26.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Response to Amendment

1. Claims **1-8, 13-15, 18, 20, and 24-26** are pending in the instant application.

Claims **1-6** and **18** are amended, and claims **9-12, 16-17, 19, and 21-23** are canceled (claims **9-11** previously cancelled). The amendments to the claims are accepted and no new matter is entered. Specifically, the claim objections to claims **6** and **12** are withdrawn and, the 112(2nd) rejections of claims **1, 2, and 6** are withdrawn. Since claim **19** is cancelled the 112(2nd) rejection is moot as well as the objection to claim **12**.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Linda Saltiel (Reg# 51,122) on 7 November 2007.

3. Please amend claim **4** and add the following limitation at the end of claim **4**, "*the first resistor having a resistance value greater than the second resistor*". In the interest of clarity the agreed amended claim **4** is recited in total below.

Claim **4**: A circuit substrate, comprising: a substrate; a plurality of emitting elements formed in a display area, each of

the plurality of emitting elements having a first electrode, a second electrode, and an emitting layer between the first electrode and the second electrode, and the first electrode being a common electrode of the plurality of emitting elements; a common electrode line formed on the perimeter of the display area, the common electrode line connected to the common electrode; a plurality of terminals formed over the substrate, the plurality of terminals including a first terminal and a second terminal; a first resistor connected between the first terminal and the second terminal; and a second resistor connected between the common electrode line and the first terminal, *the first resistor having a resistance value greater than the second resistor.*

4. Also, please change the title of the invention *from* "Circuit Substrate, Manufacturing Method, Electro-Optical Device, and Electronic Apparatus"

to

- - Circuit Substrate, Electro-Optical Device, and Electronic Apparatus - -

Allowable Subject Matter

5. Claims 1-8, 13-15, 18, 20, and 24-26 are allowed. The following is a statement of reasons for the indication of allowable subject matter: Claims 1, 2 and 18 are allowable

for the limitations “the resistance and the another resistance being formed of a semiconducting film” along with “having another resistance value greater than another resistance” (or for claim **18**: “the first resistor having a resistance value greater than the second resistor”). Claims **3** and **4** are allowable for at least the limitation “the first resistor having a resistance value greater than the second resistor”. Claim **20** is allowed for at least the final limitation of claim **20**. The closest prior art to the applicant's invention was the Marchio reference (5,635,822) which did not disclose the salient limitations listed just above. Additional related, but non-anticipating, references are listed in the 892 form.

Response to Arguments

6. The Office agrees with the applicant that the translation of the foreign priority document has overcome the priority date of Yamazaki (2007/0034875) and that the translated document enables the claimed invention.

7. The Office also agrees that the Marchio reference does not anticipate the applicant's amended claims. The Office additionally agrees that it is not obvious to modify Marchio (5,635,822) to reject the applicant's claimed invention.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: US Patents: 7,115,952, 6,696,701, 5,034,845, 4,819,047, 6,967,826, and 5,717,559 as indicated in the 892 form.

Application/Control Number:
10/676,072
Art Unit: 2815

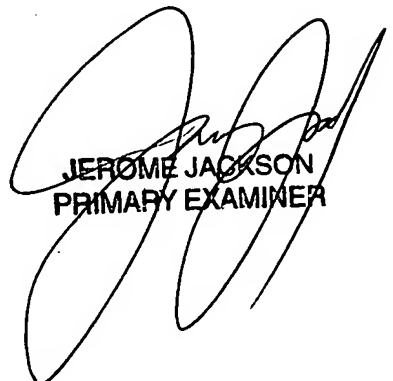
Page 5

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul A. Budd whose telephone number is 571-272-8796. The examiner can normally be reached on Monday to Friday 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Parker can be reached on 571-272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PAB



JEROME JACKSON
PRIMARY EXAMINER